

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	thick and "6353707".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:39
L2	115658	flexible same groove or channel same heating	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:40
L3	149116	2 adn "392"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:40
L4	1508	2 and "392"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:40
L5	81155	thick near3 film	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:40
L6	10	4 and 5	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:41
L7	304	laminate near3 heater	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:41
L8	1995	laminate same heater	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:41
L9	62349	(channel or groove or passge) same heating	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:42
L10	138	8 and 9	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:32
L11	8	10 and "392"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:42
L12	7	("3060300").URPN.	USPAT	OR	OFF	2007/10/15 08:43

## EAST Search History

L13	210	("20010032647"   "2896856"   "3084698"   "3157179"   "3162324"   "3431393"   "3486663"   "3658059"   "3716416"   "3750961"   "3847304"   "3859398"   "3902635"   "3903883"   "3904083"   "3967001"   "3987941"   "3993246"   "4042153"   "4060082"   "4077542"   "4161282"   "4162501"   "4212347"   "4215708"   "4231492"   "4258073"   "4261356"   "4289003"   "4291838"   "4303083"   "4383171"   "4391308"   "4395303"   "4433797"   "4471892"   "4512341"   "4575609"   "4627432"   "4649911"   "4682010"   "4695625"   "4700657"   "4730111"   "4735217"   "4744932"   "4749778"   "4762995"   "4776515"   "4790305"   "4811731"   "4819625"   "4819834"   "4829996"   "4837260"   "4848374"   "4871115"   "4871623"   "4877989"   "4911157"   "4922901"   "4926852"   "4935624"   "4941483"   "4947875"   "4974754"   "4982097"   "4992206"   "5021802"   "5044565"   "5056511"   "5060671"   "5063921"   "5096092"   "5125441"   "5133343"   "5134993"   "5135009"   "5144962"   "5151827"   "5178305"   "5184776"   "5217004"   "5226441"   "5228444"   "5230445"   "5231983"   "5259370"   "5290540"   "5298744"   "5299565"   "5322057"   "5327915"   "5342180"   "5342645"   "5349946"   "5395445"   "5421489"   "5462597"   "5474059"   "5515842"   "5516383"   "5522385"   "5556964"   "5564442"   "5565677"   "5575929"   "5585045"   "5617844"   "5642728"   "5674860"   "5682874"   "5730158"   "5743251"   "5756995"   "5765724"   "5823178"   "5839430"   "5855202"   "5856671"   "5863652"   "5869133"   "5872010"   "5878752").PN. OR ("5881714"   "5906202"   "5908527"   "5914122"   "5932249"   "5932315"   "5934272"   "5934273"   "5944025"   "5954979"   "5957124"   "5970973"   "5970974"   "5978548"   "5993633"   "6014970"   "6053176"   "6054032"   "6069214"   "6069219"   "6070575"   "6071428"   "6076522")	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:44
10/15/07 12:16:10 PM	C:\Documents and Settings\spalk\My Documents\EAST\workspaces\10549866.wsp				Page 2	

## EAST Search History

L14	67	("4668607"   "4891120"   "4908112"   "5132012"   "5194133"   "5443890"   "5500071"   "5534328"   "5571410").PN. OR ("5932315").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:46
L15	120	("1662870"   "3701619"   "4053969"   "4222671"   "4365178"   "4383008"   "4390351"   "4534659"   "4573067"   "4869849"   "4894709"   "4908112"   "5177398"   "5209906"   "5214086"   "5234741").PN. OR ("5534328").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:48
L16	17	("20020081468"   "20020094462"   "20020106540"   "20030091502"   "20030190508"   "5534328"   "5811062"   "5961930"   "5961932"   "6200536"   "6470569"   "6537506"   "6541676"   "6569553"   "6638654").PN. OR ("6960235").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:50
L17	39	("1882241"   "2294578"   "2316887"   "3458948"   "3969842"   "4255646"   "4297563"   "4480172").PN. OR ("4871115").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:57
L18	36	("2001632"   "2512875"   "2540295"   "2556470"   "2634361"   "2799764"   "3020379"   "3043943"   "3309500"   "3513296"   "3612823").PN. OR ("3961157").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:00
L19	8	("2799764").URPN.	USPAT	OR	OFF	2007/10/15 09:02
L20	475	11 12 13 14 15 16 17 18 19	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:03
L21	6	("4254086"   "5746985"   "5961932"   "6635226"   "6946113"   "6960235").PN. OR ("7169367").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:29
L22	2904	flexible and "392"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:29
L23	81155	thick near3 film	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:29
L24	133	22 and "234"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:29

## EAST Search History

L25	32	22 and 23	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:29
L26	38	("3047702"   "3541305"   "3978316"   "4357526"   "4531047"   "4733056"   "4785150"   "4806739"   "5343021"   "5409668"   "5498855"   "5693244"   "5753893"   "5911896").PN. OR ("6037574").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:37
L27	686091	(fluid or liquir or water) same (channel or groove or passage)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/15 09:38
L28	822526	(fluid or liquid or water) same (channel or groove or passage)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/15 09:38
L29	11312	28 and "219"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/15 09:39
L30	4152	28 and "392"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/15 09:39
L31	13749	29 30	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:39
L32	3570	31 and flexible	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:39
L33	368941	(thin or thick) near3 film	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:40
L34	224	32 and 33	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 11:21
L35	39	("4208159"   "4370011"   "4573067"   "4604572"   "4721462"   "4787752"   "4791364"   "4848090"   "4962355"   "4982153"   "5001423"   "5086269"   "5126656"   "5164661"   "5166607"   "5294778"   "5309978"   "5315240"   "5343012"   "5360348"   "5420521"   "5523678"   "5528159"   "5807066"   "5821505"   "5844208"   "5846375"   "5847293"   "5847366"   "5851298"   "5854468"   "5927077"   "5966940"   "5993591"   "6024526"   "6084215"   "6166937").PN. OR ("6717115").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:54

## EAST Search History

L36	0	flexible and "6037574".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:55
L37	1	flexible and "6572830".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:56
L38	0	flexible and "7169367".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 09:56
L45	61	("2255376"   "2473183"   "2515294"   "2549095"   "2559077"   "2592525"   "2745942"   "3143640"   "3243753"   "3412358"   "3448246"   "3537053"   "3584198"   "3694624"   "3852570").PN. OR ("4149066").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 10:33
L53	18	("3884295"   "3960207"   "4003426"   "4248291"   "4487856"   "4572864").PN. OR ("4774395").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 10:44
L54	1768	219/528-529.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 11:21
L55	21	54 and 23	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 11:29
L56	1	"6572830".pn. and thick	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 11:30
L57	1	"6960235".pn. and thick	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 11:30
S1	1	("20060289473").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:05
S2	2	(("6353707") or ("4310745") or ("6353707")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:07
S3	41	("0600057"   "2530806"   "2540295"   "2790889"   "2889445"   "3086187"   "3136885"   "3260835"   "3265865"   "3317657"   "4032751").PN. OR ("4310745").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:08

## EAST Search History

S4	65	("1175433"   "1226627"   "1928142"   "2022314"   "2360266"   "2559077"   "2597338"   "2600486"   "2856496"   "2938103"   "2941176"   "3033970"   "3118042"   "3179544"   "3266661"   "3316390"   "3387248"   "3417229"   "3423574"   "3539767"   "3546432"   "3584198"   "4057707"   "4058704"   "4176445"   "4220846"   "4281238"   "4297670"   "4334350"   "4467311"   "4529958"   "4551614"   "4574186"   "4581522"   "4588976"   "4659906"   "4710612"   "4717812"   "4908599"   "5519191"   "5624750"   "5824996").PN. OR ("6353707").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:10
S5	76	("3349359"   "3385959"   "3657516"   "3774299"   "3935422"   "4149066"   "4250397"   "4309596"   "4538054"   "4764665"   "4825049"   "4983814"   "5023433"   "5068518"   "5298722").PN. OR ("5824996").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:24
S6	1	("7227104").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:24
S7	6	("3852569"   "3998145"   "5642659"   "5937742"   "6433312"   "D414075").PN. OR ("7227104").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:27
S8	45	("3425864"   "3968347"   "4032751"   "4280046"   "4310745"   "4498071"   "4697165"   "4713530"   "4724305"   "4776070"   "4808490"   "4813372"   "4860434"   "5344696"   "5408070"   "5414245"   "5434388"   "5600414"   "5616263"   "5643483"   "5665262"   "5705272"   "5822675"   "5841111"   "5928547").PN. OR ("6222166").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:30
S9	41	("0600057"   "2530806"   "2540295"   "2790889"   "2889445"   "3086187"   "3136885"   "3260835"   "3265865"   "3317657"   "4032751").PN. OR ("4310745").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:32

## EAST Search History

S10	22	("2512875"   "2556470"   "2634361"   "4032751"   "4167598"   "4310745"   "4743740"   "4878332"   "4990744"   "5004895"   "5006391"   "5061541"   "5461213"   "5532039"   "5635273"   "5714226"   "5879780"   "5888613").PN. OR ("6188839").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:32
S11	46	("3852401"   "4003426"   "4446917"   "4504402"   "4531511"   "4572864"   "4581285"   "4587279"   "4612239"   "4617332"   "4645613"   "4711813"   "4747240"   "4756958"   "4774133"   "4797160"   "4825939"   "4856294"   "5053446"   "5069358"   "5106520"   "5211949"   "5254380"   "5282994"   "5290904"   "5415222").PN. OR ("5532039").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:33
S12	23	("2138217"   "2540465"   "2612585"   "3095491"   "3303324"   "3564207"   "3812320"   "4185186"   "4415798"   "4859834"   "4873332"   "5029231").PN. OR ("5461213").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:34
S13	19	("1112582"   "1505681"   "1534673"   "2138217"   "3234355"   "3277273"   "3479490"   "4247979").PN. OR ("4415798").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:35
S14	9	("2138217").URPN.	USPAT	OR	OFF	2007/10/12 12:35
S15	27	("2787723"   "2889445"   "3013898"   "3031739"   "3077413"   "3153140"   "3155814"   "3303324"   "3479490").PN. OR ("3564207").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:36
S16	37	("2889439"   "2900290"   "2952761"   "4063068").PN. OR ("4860434").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:45
S17	381	S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:45
S18	81155	thick near3 film	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 13:03
S19	29	S17 and S18	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:45

## EAST Search History

S20	22	("4938815"   "5039840"   "5231690"   "5294778"   "5889261"   "6066836"   "6222166"   "6225608"   "6364954"   "6376811"   "6423949"   "6491757"   "6639189"   "6646235"   "6736997"   "6740853"   "6744018"   "6762396"   "6828032"   "6855916"   "6875960"   "6878906").PN. OR ("7126092").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:54
S21	20	("3539767").URPN.	USPAT	OR	OFF	2007/10/12 12:57
S22	8319	219/527-549.ccls.	USPAT	OR	OFF	2007/10/12 12:58
S23	1527	flexible same S18	USPAT	OR	OFF	2007/10/12 12:59
S24	8	S22 and S23	USPAT	OR	OFF	2007/10/12 12:59
S25	7	("3417229"   "4656339"   "4788417"   "5226225").PN. OR ("5565124").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 12:59
S26	36	("3808108"   "3852563"   "3953264"   "3971684"   "3973106"   "4007352"   "4030408"   "4038517"   "4059480"   "4194108"   "4203025").PN. OR ("4298786").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 13:00
S27	82945	thick near3 (film or conductor)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 13:03
S28	249	S27 and S22	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 11:15
S29	22	("20030231415"   "20050141845"   "2629166"   "3010850"   "3851150"   "4196411"   "4734563"   "4764665"   "4882466"   "5087804"   "5424767"   "5444228"   "5504307"   "5665262"   "5742223"   "5808178"   "5866194"   "5973296"   "6575729"   "6602345").PN. OR ("7132628").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 13:04
S30	11	("2007111"   "2799765"   "5119761"   "5151871"   "5851298"   "5904872").PN. OR ("6365879").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 13:07

## EAST Search History

S31	25	("1820514"   "2945114"   "3127300"   "3196253"   "3505498"   "3788513"   "3806701"   "3869596"   "3909591"   "3971361"   "4031353"   "4492853"   "4493978"   "4680452"   "4715269"   "5189947"   "5557704"   "5657532").PN. OR ("6137089").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 13:08
S32	12	("1615464"   "2296591"   "2337836"   "3505498"   "3710076"   "4851645"   "4852471").PN. OR ("6046438").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 13:09
S33	38	("3047702"   "3541305"   "3978316"   "4357526"   "4531047"   "4733056"   "4785150"   "4806739"   "5343021"   "5409668"   "5498855"   "5693244"   "5753893"   "5911896").PN. OR ("6037574").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 14:21
S34	1	("20050173404").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 14:26
S35	1	("20060151469").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/15 08:28